

What is claimed is:

1. A method for purification of acrylic acid, which comprises the step of distilling a crude acrylic acid containing furfural and acrolein as impurities which is charged with an aldehyde treatment chemical, wherein the concentration ratio of furfural to acrolein by weight in said crude acrylic acid is adjusted so as to satisfy the following equation:

$$(\text{furfural concentration by weight})/(\text{acrolein concentration by weight}) \leq 100.$$

2. A method according to claim 1, wherein the concentration ratio of furfural to acrolein by weight in said crude acrylic acid is adjusted so as to satisfy the following equation:

$$2 \leq (\text{furfural concentration by weight})/(\text{acrolein concentration by weight}) \leq 30.$$

3. A method according to claim 1, wherein the amount of said aldehyde treatment chemical is not more than 8.0 mole per mole of furfural existing in said crude acrylic acid.

4. A method according to claim 2, wherein the amount of said aldehyde treatment chemical is not more than 8.0 mole per mole of furfural existing in said crude acrylic acid.

5. A method according to claim 1, wherein a hydrazine compound is used as said aldehyde treatment chemical.

6. A method according to claim 2, wherein a hydrazine compound is used as said aldehyde treatment chemical.

7. A method according to claim 3, wherein a hydrazine compound is used as said aldehyde treatment chemical.

5 8. A method according to claim 4, wherein a hydrazine compound is used as said aldehyde treatment chemical.

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